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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,492	05/17/2005	Hyung-Nam Choi	0112740-1078	3927
29177 7590 12/31/2007 BELL, BOYD & LLOYD, LLP P.O. BOX 1135 CHICAGO, IL 60690			EXAMINER GOETZE, SIMON A	
			ART UNIT 2617	PAPER NUMBER
			MAIL DATE 12/31/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/535,492	Applicant(s) CHOI ET AL.	
	Examiner Simon A. Goetze	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 October 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 13-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 May 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 18, 2007 has been entered.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

1. **Claims 13-16 and 20-23** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Knauerhase et al. (US Patent 6,941,146)** in view of **Huomo (US Patent Application Publication 2004/0203863)**.

Consider **claims 13 and 20**, Knauerhase et al. discloses a method for operating terminals of a mobile radio communication system, in at least one local wireless network, comprising:

storing a plurality of items of access information on a terminal (*network identifiers of the plurality of networks, e.g. cellular, 802.11, Bluetooth, are stored on the phone – Column 2, Lines 10-16; Column 3, Lines 44-64*),

the access information comprises at least one first item of identification information for the mobile radio communication system and at least one second item of identification

information for a local area network (*Column 2, Lines 27-33 and 44-53; Column 3, Lines 44-64; Column 4, Lines 49-57*),

the second item of identification information comprises:

a first item of network information indicating the location of the local area network (*Column 2, Lines 27-33; Column 3, Lines 54-60; Column 4, Lines 49-57*),

a second item of network information indicating the type of the local area network (*read as information regarding the testing of each transceiver is stored – Column 3, Lines 1-8 and 48-51; Column 4, Lines 49-57*), and

a third item of network information indicating at least one third party service provided by the local area network (*read as the types of 802.11 connections available in the area – Column 2, Lines 27-33; Column 3, Lines 1-8; Column 3, Lines 48-60; Column 5, Lines 1-10*).

However, Knauerhase et al. discloses storing the identification information of all monitored transceivers, but fails to specifically disclose storing a mobile radio communication system identifier and establishing a connection to a local wireless network to receive the third party service comprising access to one or more applications offered at the location based on the stored information.

In related prior art, Huomo discloses storing a mobile radio communication system identifier and establishing a connection to a local wireless network to receive the third party service comprising access to one or more applications offered at the location based on the stored information (*points of interest are tagged by their location and the identifier of the network, as well as the type, is stored so that when the user enters the area services such as applications or*

connectivity which are available by that network are enabled – Figures 4, 6, and 8 – Abstract; Page 1, Paragraphs 0007-0009; Page 2, Paragraph 0010; Page 3, Paragraphs 0026-0027 and 0032-0033; Page 4, Paragraphs 036 and 0040; Page 5, paragraphs 0041 and 0043-0044; Page 6, Paragraph 0047).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to incorporate the teachings of Huomo with those of Knauerhase et al. in order to be able to determine capabilities of networks which the user is local to and utilize services provided.

Consider **claims 14 and 21**, as applied above, Knauerhase et al. as modified by Huomo further discloses that the second item of identification comprises a fourth item of network information uniquely identifying the local area network (*Figure 4, record 404 – Column 3, Lines 48-64*).

Consider **claims 15 and 22**, as applied above, Knauerhase et al. as modified by Huomo fail to teach that the first, second, and/or third items of network information are encoded by means of a maximum of three decimal digits. Official Notice is taken that the advantages of limiting and standardizing the size of stored information is well known and expected in the art. It would have been obvious to make such a restriction on size due to the known limited amount of storage on wireless communications devices and to provide a consistent manner of storing this information on the device.

Consider **claims 16 and 23**, Knauerhase et al. as modified by Huomo fails to teach that the fourth item of network information is encoded by means of a maximum of five decimal digits. Official Notice is taken that the advantages of limiting and standardizing the size of stored

information is well known and expected in the art. It would have been obvious to make such a restriction on size due to the known limited amount of storage on wireless communications devices and to provide a consistent manner of storing this information on the device.

2. **Claims 17-19 and 24-25** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Knauerhase et al. (US Patent 6,941,146)** in view of **Huomo (US Patent Application Publication 2004/0203863)**, further in view of **Haverinen et al. (US Patent Application Publication 2003/0119481)**.

Consider **claims 17 and 24**, as applied above, Knauerhase et al. as modified by Huomo fails to disclose that the second items of identification information are stored as a first list organized in such a way that the first list contains those second items of identification information that are assigned to local area networks which allow the operation of the terminal within the local area network.

In related prior art, Haverinen et al. discloses that the second items of identification information are stored as a first list organized in such a way that the first list contains those second items of identification information that are assigned to local area networks which allow the operation of the terminal within the local area network (*Haverinen et al. – employs a common method of storing a list of allowed network identifiers which the mobile station is allowed to roam – Page 4, Paragraph 0042*).

It would have been obvious to a person having ordinary skill at the time the invention was made to incorporate the teachings of Haverinen et al. with those of Knauerhase et al. as

modified by Huomo in order to utilize the network identifiers which are stored and only allowing the user to connect to desirable networks.

Consider **claims 18 and 25**, as applied above, Knauerhase et al. as modified by Huomo fails to disclose that the second items of identification information are stored as a first list organized in such a way that the first list contains those second items of identification information that are assigned to local area networks which forbid the operation of the terminal within the local area network.

In related prior art, Haverinen et al. discloses that the second items of identification information are stored as a first list organized in such a way that the first list contains those second items of identification information that are assigned to local area networks which forbid the operation of the terminal within the local area network (*Haverinen et al. – employs a common method of storing a list of allowed network identifiers which the mobile station is allowed to roam – Page 4, Paragraph 0042*).

It would have been obvious to a person having ordinary skill at the time the invention was made to incorporate the teachings of Haverinen et al. with those of Knauerhase et al. as modified by Huomo in order to utilize the network identifiers which are stored and only allowing the user to connect to desirable networks.

Consider **claim 19**, as applied to claim 13 above, Knauerhase et al. as modified by Huomo fails to disclose that the at least first item of access information is stored on a device serving for user identification, in particular a USIM module.

In related prior art, Haverinen et al. discloses that the at least first item of access information is stored on a device serving for user identification, in particular a USIM module

(Haverinen et al. – employs a common method of storing a list of allowed network identifiers which the mobile station is allowed to roam – Page 4, Paragraph 0042).

It would have been obvious to a person having ordinary skill at the time the invention was made to incorporate the teachings of Haverinen et al. with those of Knauerhase et al. as modified by Huomo in order to utilize the network identifiers which are stored and only allowing the user to connect to desirable networks.

Response to Arguments

Applicant's arguments with respect to claims 13 and 25 (as well as their respective dependent claims) have been considered but are moot in view of the new ground(s) of rejection, which was necessitated by the current amendment.

Conclusion

Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

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Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

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Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Simon A. Goetze whose telephone number is (571) 270-1113. The Examiner can normally be reached on Monday-Thursday from 7:30am to 5:00pm and Friday from 7:30am to 4:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Nick Corsaro can be reached on (571) 272-7876. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.


Simon A. Goetze
S.A.G./sag
December 14, 2007


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12/20/07